MEDICAL DEVICE WITH POROUS SURFACE FOR CONTROLLED DRUG RELEASE AND METHOD OF MAKING THE SAME

ABSTRACT OF THE INVENTION

The medical devices of the invention comprise a portion having a porous surface for release of at least one biologically active agent therefrom. The porous surface is made of a material such as a polymer having a plurality of voids. To load the porous surface with a biologically active agent or drug, an electrophoresis method is employed. In this method, a device having a porous surface is placed into a drug solution or suspension, along with an electrode. An electric current is applied to the device and electrode. Under such a current, the drug, which has a positive or negative charge, will be loaded into the pores or voids of the porous surface.